

## REMARKS

The specification and drawings have been amended to correct minor errors noted in the Office Action and otherwise.

Claims 1-6 have been cancelled, without prejudice.

New claims 22-35 also particularly point out and distinctly claim subject matter regarded as the invention.

The amendments here presented are made for the purposes of better defining the invention, rather than to overcome the rejections for patentability. Support for the amendments herein presented can be found in the specification and claims as filed. No new matter has been introduced as a result of the amendments. Reconsideration and allowance is respectfully requested in view of the amendments and the following remarks.

### The 35 U.S.C. § 112 Rejection

Claims 4 and 6 stand rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter applicant regards as the invention. This objection is respectfully traversed. Claims 4 and 6 have been canceled. Thus, the rejection is now moot.

Withdrawal of the 35 U.S.C. § 112, second paragraph, rejection is respectfully requested.

### Double Patenting

Claim 3 stands as objected to under 37 CFR 1.75 as being a substantial duplicate of Claim 1. Claim 3 has been canceled. Thus, the objection is now moot.

### The 35 U.S.C. § 102 Rejection

Claims 1-6 stand rejected under 35 U.S.C. § 102 as being allegedly anticipated by Arnold et al. (U.S. Patent No. 5,766,691). This rejection is respectfully traversed.

Claims 1-6 have been canceled. Thus, the rejection is now moot.

Claims 1, 3, and 5 stand rejected under 35 U.S.C. § 102 as being allegedly anticipated by Larson et al. (U.S. Patent No. 5,485,671). This rejection is respectfully traversed.

Claims 1, 3 and 5 have been canceled. Thus, the rejection is now moot.

The new independent claim 22 claims a heat pipe comprising an elongated enclosed volume defined by a wall having a first end and a second end, at least a portion of the wall comprising diamond. The wall is located proximate to at least one of the first end and the second end. A cooling fluid is disposed in the volume and has a liquid phase and a vapor phase within the volume. New independent claim 27 claims a heat pipe comprising a rigid plenum having a vaporization region coupled to a condensation region through a center section. A diamond wall is defined in at least one of the vaporization region and the condensation region. A capillary mass is disposed in the rigid plenum between the vaporization region and the condensation region. A cooling fluid is disposed in the rigid plenum. The cooling fluid has a liquid phase and a vapor phase within the rigid plenum.

The independent claims are patenably distinct over the prior art.

In view of the foregoing, it is respectfully requested that the rejection be withdrawn and it is respectfully asserted that the claims are now in condition for allowance.

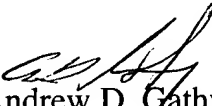
Request for Allowance

It is believed that this Amendment places the above-identified patent application into condition for allowance. Early favorable consideration of this Amendment is earnestly solicited.

If, in the opinion of the Examiner, an interview would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at the number indicated below.

Respectfully submitted,  
SIERRA PATENT GROUP, LTD.

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